

CLAIMS

We Claim:

1. A transceiver module and receptacle assembly comprising:
a transceiver module housing having a first end and second end;
5 a latching means attached adjacent the first end and a pluggable connector at the
second end; and
a grounding means associated with the receptacle.
2. The transceiver module and receptacle assembly of Claim 1 including:
10 a receptacle housing defining a chamber; and
the grounding means of the receptacle includes a ground surface protruding within
the chamber.
3. The transceiver module and receptacle assembly of Claim 2 wherein the ground
15 surface is attached to an arm which is molded within the receptacle housing.
4. The transceiver module and receptacle assembly of Claim 1 including:
a receptacle housing having a first end having a protective door mounted thereto.
- 20 5. The module and receptacle system of Claim 4 wherein the door is hinged adjacent
the top surface of the receptacle housing.

6. The transceiver module and receptacle assembly of Claim 1 including:

the transceiver module housing having a metallized grounding portion to come in contact with the grounding means of the transceiver receptacle in order to provide grounding of the transceiver module to the receptacle.

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7. The transceiver module and receptacle assembly of Claim 6 wherein the transceiver module external surface is metallized and upon insertion within the receptacle, the metallized transceiver module housing abuts against a ground surface protruding within the receptacle chamber in order to ground the transceiver module to the receptacle.

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8. The transceiver module and receptacle assembly of Claim 1 wherein the latching means includes release levers attached to the sides of the transceiver module housing and latching to the interior surface of the receptacle.

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9. The transceiver module and receptacle assembly of Claim 1 including a transceiver connector attached to the first end of the transceiver module housing.

10. The transceiver module and receptacle assembly of Claim 9 wherein the transceiver connector is a fiber optic plug receptacle.

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11. The transceiver module and receptacle assembly of Claim 10 wherein the transceiver module includes an optoelectronic subassembly.

12. The transceiver module and receptacle of Claim 9 wherein the transceiver connector is an electrical plug receptacle.

13. The transceiver module of Claim 12 wherein the transceiver module includes an electrical subassembly.

14. A transceiver module and receptacle assembly comprising:

a transceiver module housing having a first end and a second end;

release levers mounted to the transceiver module housing adjacent the first end and

a pluggable connector at the second end; and

a receptacle housing having a first end having a protective door mounted thereto and the receptacle housing defining a chamber having a ground surface protruding into the chamber.

15. The transceiver module and receptacle assembly of Claim 14 wherein the receptacle includes at a second end a receptacle connector for receiving the pluggable connector of the transceiver module.

16. The transceiver module and receptacle assembly of Claim 15 wherein the ground surface is attached to an arm which is attached to the receptacle housing.

17. The transceiver module and receptacle assembly of Claim 16 wherein the door is hingedly attached adjacent the top of the receptacle housing.

5 18. The transceiver module and receptacle assembly of Claim 14 wherein the pluggable connector includes ground contacts offset from adjacent electrical contacts to provide for hot plugging.

19. A transceiver receptacle comprising:
a transceiver receptacle housing defining a chamber and including a first end
10 having a protective door mounted thereto and grounding means associated with the receptacle.

20. The transceiver receptacle of Claim 19 wherein the receptacle housing includes at a second end a receptacle connector for receiving a pluggable connector of a transceiver module.

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21. The transceiver receptacle of Claim 19 wherein the grounding means includes ground surface protruding within the chamber.

22. The transceiver receptacle of Claim 21 wherein the ground surface is attached to
20 an arm which is molded within the receptacle housing.

23. A transceiver module comprising:

a transceiver module housing having a first end and a second end;

a latching means attached adjacent the first end; and

a pluggable connector at the second end.

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24. The transceiver module of Claim 23 including:

a transceiver connector at the first end.

25. The transceiver module of Claim 24 wherein the transceiver connector includes a

10 modular port for receiving various media transducers.

26. The transceiver module of Claim 25 wherein the media transducer includes a fiber

optic plug receptacle and an optoelectronic subassembly.

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27. The transceiver module of Claim 25 wherein the media transducer includes an

electrical plug receptacle and an electrical subassembly.

28. The transceiver module of Claim 23 wherein the pluggable connector includes a

D-shaped shroud surrounding a circuit board protruding transversely from the second end and

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having electrical contacts attached thereto.

29. The transceiver module of Claim 23 wherein the pluggable connector includes ground contacts offset from adjacent electrical contacts.